


Wilcox Oil Company Superfund Site

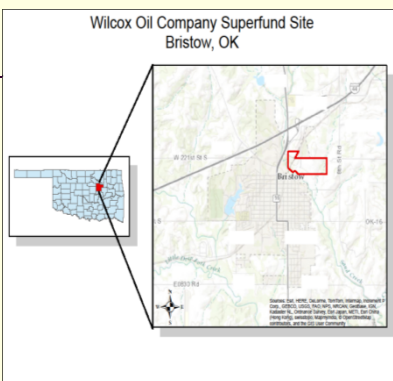
Remedial Investigation Open House July 21, 2016



Site Location


The Site is situated NE of Bristow, Creek County, Oklahoma

Wilcox Oil Company Superfund Site
Bristow, OK



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Site Background



Operation:
Oil Refinery

Activity Period:
1915 through 1963

Size:
about 140 to 150 acres

1950s Aerial Photograph

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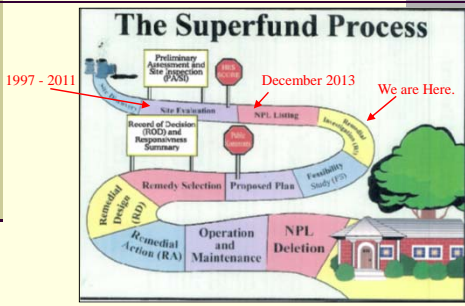
Site Discovery

- ODEQ Inventory Review
- Site Investigations
 - Preliminary Assessment (PA)
 - Site Inspection (SI)
 - Expanded Site Inspection (ESI)
- Soil data indicated that high concentrations of organics and metals are present.
- National Priorities List
 - Proposed: May 24, 2013
 - Listed: December 12, 2013



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Superfund Process



1997 - 2011

December 2013

We are Here.

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Remedial Process

- Remedial Investigation collects data to:
 - Determine Site conditions
 - Determine nature of wastes
 - Evaluate risk from the Site to human health and environment
- Feasibility Study (FS) develops, screens, and evaluates different cleanup options

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Site Remedial Investigation (RI)

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Site Remedial Investigation (RI)

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Activities Completed

Potentially Responsible Party Search	<ul style="list-style-type: none">• No offer to perform the work• July 2015
Sampling/Fencing	<ul style="list-style-type: none">• Residential: May/June 2015• Well: Semi-Annual beginning 2015• Fencing: July 2015
Phase 1	<ul style="list-style-type: none">• Geophysics: September 2015• Direct Sensing: December 2015

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RI Field Work

Phase 1

- Develop an understanding of
 - Site geology
 - Site Operation Features
 - Waste Locations

Phase 2

- Define the
 - Site Risks
 - Nature and Extent of Contamination

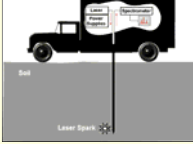

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RI Field Work – Phase 1

- Geophysical Survey
 - Ground Penetrating Radar
 - Electromagnetic Survey
 - Trenching
- Soil and Contaminant Survey
 - Cone Penetrometer
 - Light Induced Fluorescence



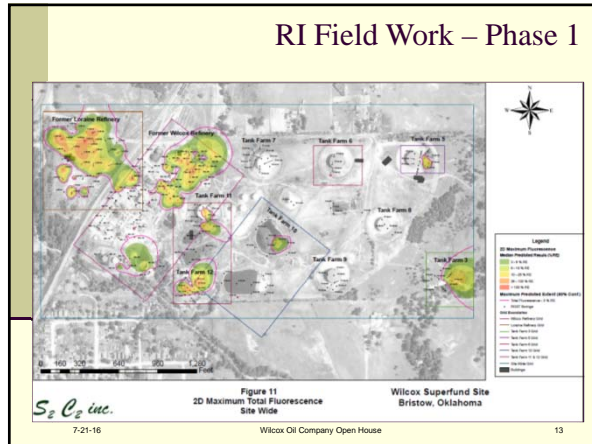
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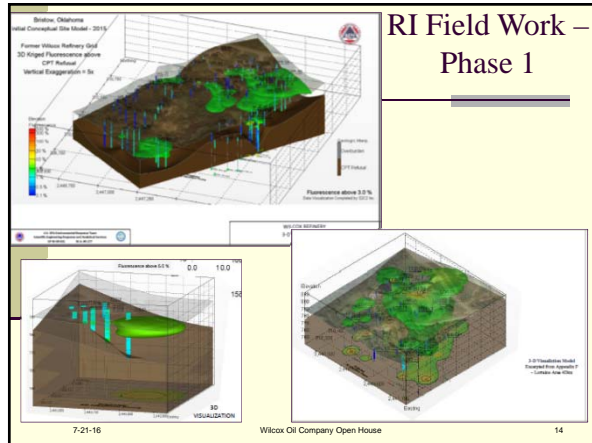
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RI Field Work – Phase 1

RI Field Work – Phase 1





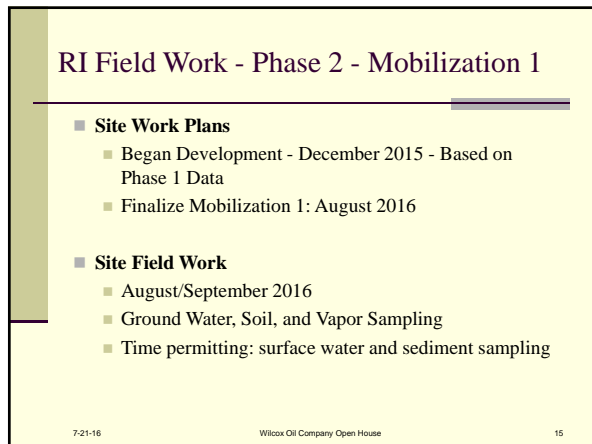
RI Field Work - Phase 2 - Mobilization 1

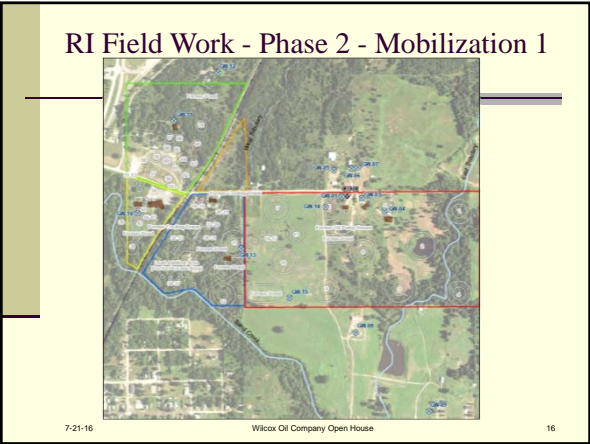
■ Site Work Plans

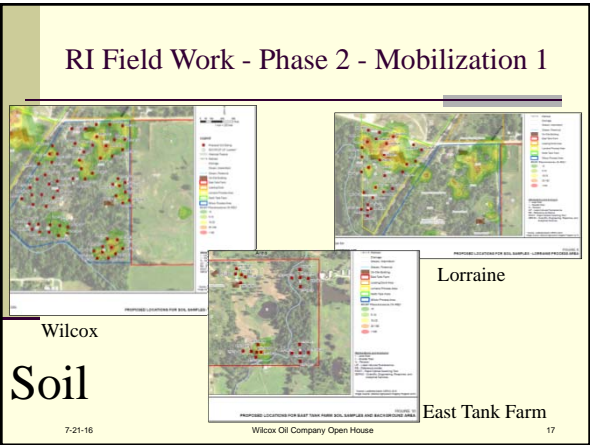
- Began Development - December 2015 - Based on Phase 1 Data
- Finalize Mobilization 1: August 2016

■ Site Field Work

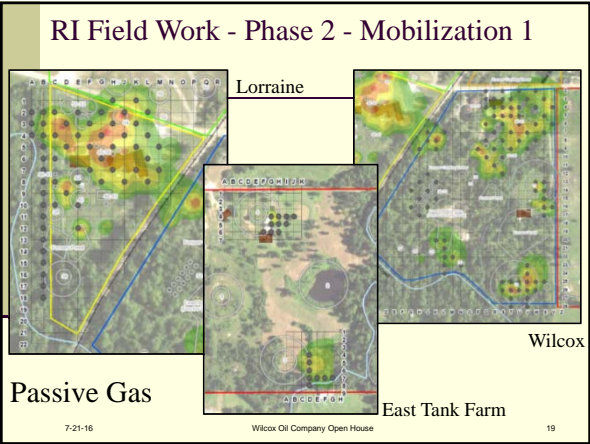
- August/September 2016
- Ground Water, Soil, and Vapor Sampling
- Time permitting: surface water and sediment sampling

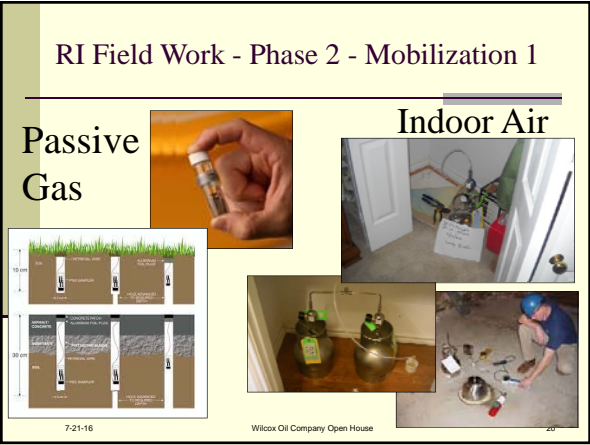


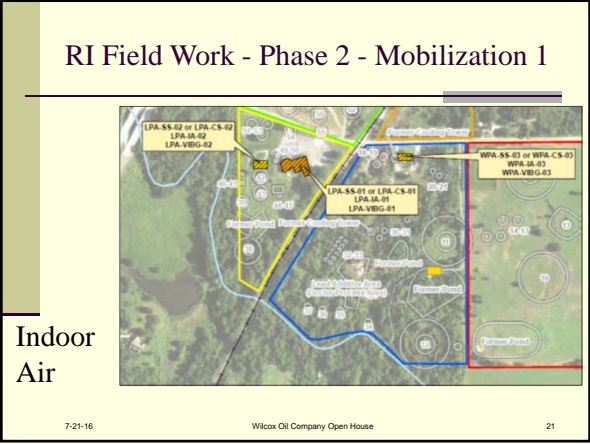












RI Field Work - Phase 2 - Mobilization 1



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RI Field Work - Phase 2 - Mobilization 1



Sediment and
Surface Water

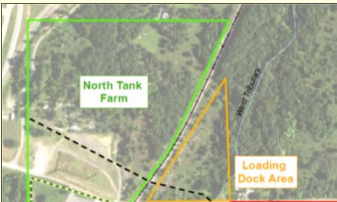
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RI Field Work - Phase 2 - Mobilization 2

- North Tank Farm
- Loading Dock
- Data Gaps from Mobilization 1
- Early 2017



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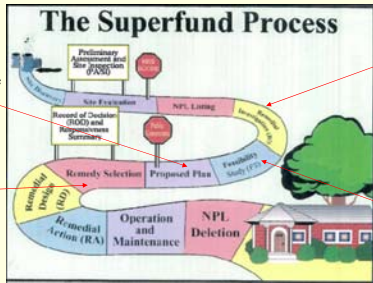
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Future Work

Proposed Plan to present the preferred clean up option to the public (2017)

Record of Decision to establish the Site clean up (2018)



We are Here.

Feasibility Report to summarize clean up options (2017)

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Community Participation

Site documents can be found at:

- Bristow Public Library
- Oklahoma Department of Environmental Quality

Web Resources

- ODEQ: www.deq.state.ok.us/lpdnew/index.htm
- U.S. EPA: <http://www.epa.gov/superfund/search-superfund-sites-where-you-live>

Contacts

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|--|--------------|
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| ■ EPA toll-free number | 800-533-5308 |

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